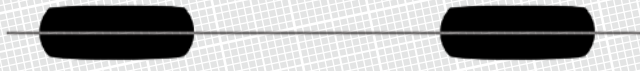


### Wider section tyre technology

If the same size wheel/ wheel width is use at the front and rear, **wheel alignment** is guaranteed,



centreline

but the tyre contact point will be slightly **off line from the centreline** of the Vespa. All wider section tyre conversions change the tyre contact point in relation to the centreline of the scooter.



centreline

**Tyre contact point**

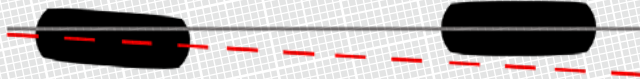
Due to the fact that you cannot fit a 130mm wide tyre to the front of a Vespa it is almost impossible to keep the wheels/ tyres in line with each other when a fat tyre is fitted at the rear. This leads to the **misalignment of the respective tyre contact points** at the front and the rear.



Front wheel alignment

**Rear wheel alignment**

We often hear the phrase "**track displacement**" when people refer to their rear wheel being out of line with the front. As previously mentioned the correct way of describing this phenomena is 'Tyre contact point displacement'. Track displacement refers to what happens when the rear wheel does not point in the same direction as the front or is not parallel to the centreline of the vehicle.



Front wheel alignment

**Rear wheel alignment**